

Product Name: KD-Validated ADP Ribosylation Factor 5 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01532

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 20.5kDa

Antigen Information

Gene Name	ARF5
Alternative Names	ARF5; ADP Ribosylation Factor 5; ADP-Ribosylation Factor 5
Gene ID	381.0
SwissProt ID	P84085
Immunogen	A synthesized peptide derived from human ARF5

Background

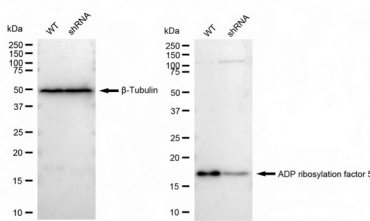
This gene is a member of the human ADP-ribosylation factor (ARF) gene family. These genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The gene products include 6 ARF proteins and 11 ARF-like proteins and constitute 1 family of the

RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2, and ARF3), class II (ARF4 and ARF5) and class III (ARF6). The members of each class share a common gene organization. [provided by RefSeq, Dec 2010]

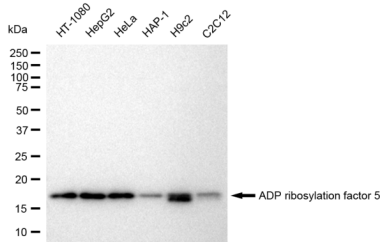
Research Area

Signal Transduction

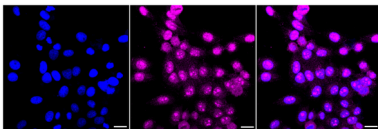
Image Data



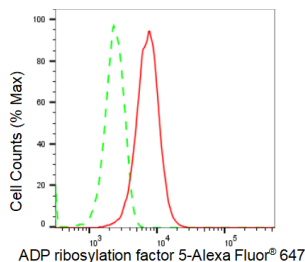
Western blotting analysis using ADP ribosylation factor 5 antibody (KVA01532). ADP ribosylation factor 5 expression in wild type (WT) and ADP ribosylation factor 5 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with ADP ribosylation factor 5 antibody (KVA01532, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ADP ribosylation factor 5 antibody (KVA01532). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ADP ribosylation factor 5 antibody (KVA01532, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with ADP ribosylation factor 5 antibody (KVA01532, 1:1,000). Nuclei were stained blue with DAPI; ADP ribosylation factor 5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of ADP ribosylation factor 5 expression in HepG2 cells using ADP ribosylation factor 5 antibody (KVA01532, 1:2,000). Green, isotype control; red, ADP ribosylation factor 5.